

[54] HAPTIC ATTACHMENT FOR
INTRAOCULAR LENSES[75] Inventors: Kenneth C. Uhler, Apple Valley;
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[58] Field of Search 3/13, 1

[56] References Cited

U.S. PATENT DOCUMENTS

2,834,023	5/1958	Lieb	3/13 X
4,110,848	9/1978	Jensen	3/13
4,159,546	7/1979	Shearing	3/13
4,174,543	11/1979	Kelman	3/13
4,316,293	2/1982	Bayers	3/13

OTHER PUBLICATIONS

Covered Bridge an Update on Lens Implantation or
Bridge over Troubled Waters, (3rd Attempt), (Book),
by John H. Sheets, M.D., 1977, pp. 5-13.

The Leiske Physioflex, Style 10 Anterior Chamber
Lens, (advertisement), Surgidev Corp., 1421 State
Street, Santa Barbara, CA, Jan. 4, 1981.

The Lindstrom Centrex, Style 20 Posterior Chamber
Lens, (advertisement), Surgidev Corp., Santa Barbara,
CA, Jan. 4, 1981.

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[57] ABSTRACT

An intraocular lens (10) adapted for use as artificial lens implant is disclosed. The intraocular lens (10) includes an optical lens body (11) having a convex upper surface (11a) and a bottom surface (11b). The convex surface (11a) has a peripheral zone (15) and an apex (16). The lens body (11) has a height of a distance from the apex (16) to the bottom surface (11b). A haptic element mounting means comprises a first boss (13a) cooperatively connected to the convex surface (11a) within the peripheral zone (15). The first boss (13a) has a height that does not extend substantially above a plane parallel to the bottom surface (11b) and the plane contains the apex (16) of the optical lens body (11). The first boss (13a) does not substantially increase the height of the optical lens body (11). In a preferred embodiment, the intraocular lens (10) includes a first and second haptic element (12a) and (12b) cooperatively connected to the first boss (13a) and second boss (13b). In another embodiment, an intraocular lens (50) includes a lens body (11) and bosses (13a), (13b), (13c), and (13d) cooperatively connected to the convex surface (11a). The haptic elements (52) and (53) are cooperatively connected to the bosses (13a), (13b), (13c) and (13d) and the haptic elements (52) and (53) extend outwardly and downwardly from the lens body (11), wherein the lens (11) is supported in a spaced relation anteriorly to the iris (23) of an eye.

11 Claims, 10 Drawing Figures

